

## 2008 Engineering Conference Breakout Period 1.

### 8. Utilizing Expressways in Urban Corridors

**Track:** Design

**Presenters:** Doug Graham

**Synopsis:** Horrocks along with other consultant groups will be discussing the current planning and design trends and lessons learned in expressways in urban areas. Topics include:

- Grade-Separated Interchanges
- Standards
- Access Management
- Traffic Operations
- Geometric Design
- Trails
- Utilities
- Lighting and aesthetics

Highlighted projects for discussion include:

- Southern Parkway
- SR-18
- SR-92
- Legacy Parkway

**Time Required: 50 Minutes**

### 18. State Environmental Process & Environmental Manual of Instruction

**Track:** Environmental

**Presenters:** Jerry Chaney

**Synopsis:** The new Environmental Manual of Instruction should be close to completion by December 2008. This session will describe the contents of the manual, explain how it is organized, how it can be obtained. This breakout session will also describe the Department's new environmental Policy for state projects. This Policy describes the environmental process for projects with no federal funding or federal action required.

**Time Required: 50 minutes**

### 29. Segmental Design and Construction of the New US-191 Over Colorado River Bridge in Moab, Utah

**Track:** Structures

**Primary Presenters:** Stephen E. Fultz, PE, SE – FIGG Bridge Engineers, Kirk R. Thornock, PE – UDOT Region 4, Daniel Page, PE – UDOT Structures

**Backup Presenters (if any):** Russell D. Call, PE, SE – FIGG Bridge Engineers, Richard Miller, PE – UDOT Structures

**Synopsis:** World renowned Moab Utah is the gateway to Arches National Park, Canyonlands National Park, Dead Horse State Park, and the Sand Flats Recreation Area. US-191 connects Southeastern Utah and provides the main access through this pristine area. UDOT is replacing the functionally obsolete US-191 Bridge over the Colorado River just north of Moab near the entrance to Arches. Minimizing construction and long term impacts to this unique environment, traffic, and heavy recreational use are key components of the successful bridge solution. With this goal, and in step with UDOT's accelerated bridge construction focus, the solution is a post-tensioned three-span cast-in-place concrete segmental bridge with only one pier in the river. Twin structures will be built from above to minimize impacts to the river and sensitive environmental / recreational areas below. A specialized FIGG Bridge Design Charette™ enhanced the Public Involvement process and facilitated development and determination of aesthetic treatments and features in line with the community's vision. Final design will be complete by the end of 2008, with construction anticipated to begin in early 2009.

**Time required:** 50 minutes

#### **44. Ice and Snow 101**

**Track:** Maintenance

**Primary Contact:** Lynn Bernhard

**Presenters:** Lynn Bernhard, Curtis Sanchez, Todd Richins

**Synopsis:** Clearing roads in a winter snowstorm is much more involved than people might think. The operation involves a great deal of planning, extensive training, and takes advantage of advanced technologies, materials, equipment, and techniques. In this presentation, participants will learn the basics regarding Winter operations planning and operations.

**Time Required:** 50 minutes

#### **46. Phase Leadership: Re-Defining Project Support**

**Track:** Project Management

**Presenters:** Brent Schvaneveldt, Cameron Kergaye

**Synopsis:** Project Management is moving to a new level by re-defining project support. This session introduces the role and responsibilities of a Phase Leader. Learn about activity coordination, project continuity, and budget and schedule oversight. The duties of Phase and Activity Leaders will be described as they relate to the new design network. Project Managers, Preconstruction Engineers, Consultants and their designers will learn how to coordinate their tasks to produce quality deliverables.

**Time Required:** 50 minutes

#### **54. Involving Local Chambers of Commerce in Public Involvement Efforts: The 3500 South Hard Hat Club & Smithfield Main Street's "Smithfield Bucks"**

**Track:** Public Involvement

**Presenters:** Alan Anderson (ChamberWest CEO), Andy Neff (The Langdon Group), Chad Down (Mayor of Smithfield), Sydne Jacques (Jacques and Associates) and Christin Bott (Jacques and Associates)

**Synopsis:** Everyone knows construction can be tough on businesses. While UDOT continues to make great strides toward supporting merchants through projects, local chambers of commerce can prove a vital partner in seeing businesses through the wiles and woes of construction. Two examples: with UDOT's 3500 South expansion about to start up, Alan Anderson of ChamberWest decided he needed to assist UDOT's public involvement effort as the CEO of the local chamber of commerce. And the 3500 South Hard Hat Club was born, which includes coupon and other promotion assistance, a dedicated Web site and other resources for businesses dealing with construction. In a similar situation, Smithfield City's Main Street went under construction in 2007 promising major impacts to local businesses and the town's summer commerce. The president of the local chamber of commerce visited the Smithfield construction site along with a group of businesses to share mutual concerns. As a result, "Smithfield Bucks" were implemented for the main street project, and two celebrations were planned with more than 300 people in attendance at the Half Way Home event. Attend this session to learn more about both of these innovative efforts.

**Time Required:** 50 minutes

#### **69. What does your pavement truly cost?**

**Track:** Materials

**Presenters:** Ron Youngman (CO/WY ACPA), Mitzi McIntyre

**Synopsis:** Addresses life cycle cost...of concrete vs Asphalt

**Time Required:** 50 minutes

**75. All Employee Survey Experiences**

**Track:** Leadership/Organizational Issues

**Presenters:** Walter “Butch” Waidelich, FHWA - Utah Division

**Synopsis:** The Federal Highway Administration (FHWA) has administered an “All Employee Survey” every year since 1995. Butch Waidelich has been a member of the FHWA Committee that is responsible for this survey since 2005, and is currently the Co-Chair of the Committee. This session is intended to cover why an employee survey is conducted, what are the logistics and organization behind it, what have been the benefits of the survey, and what lessons have been learned. The session is intended to learn how to get honest and candid feedback from employees, and then to use that feedback for continuous improvement activities.

**Time Required: 50 minutes**